

ABSTRACT OF THE DISCLOSURE**NUCLEIC ACIDS ENCODING G PROTEIN-COUPLED RECEPTORS**

The present invention provides novel GPCR polynucleotides, GPCR
5 polypeptides, gene delivery vehicles comprising and/or expressing the GPCR
polynucleotides, antibodies and fragments capable of specifically binding to the
GPCR polypeptides, and modulators of the GPCR. Also provided by the invention
are host cells, transgenic organisms comprising the gene delivery vehicle of the
present invention. Further provided are methods of using these compositions for
10 diagnosis and treatment of GPCR associated diseases.